DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT RIPLICATION

JUL 0 2 2001

Attorney's Docket No. SYMXP001

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: PARALLEL REACTOR WITH KNIFE-EDGE SEAL, the specification of which,

(check one)	1. 🗀	is attached n	ereto.	
	2. 🔀		October 17, 2000 Action No. 09/691,421 ended on	as as
	3. 🗌	was filed on International and was ame	1 PCT Application No	as CEIVED as 102001 as Ted specification, including the claims, as amended
hereby state that by any amendmen			nd the contents of the above-identif	ied specification, including the claims, as amended
acknowledge the CFR § 1.56.	duty to disclos	e information	which is material to the examination	on of this application in accordance with Title 37,
patent or inventor' United States, liste	's certificate, or ed below and have	§ 365(a) of an ve identified be	ny PCT International application wi	a)-(d) or § 365(b) of any foreign application(s) for hich designated at least one country other than the eign application for patent or inventor's certificate, n which priority is claimed:
Pri r Foreign Ap	plication(s)			Priority Benefits Claimed?
				Yes \[\]No
Appl. No.)		(Country)	(Filing Date)	
Appl. No.)		(Country)	(Filing Date)	Yes
hereby claim the	benefit under 35	5 U.S.C. §119((e) of any United States provisional	application(s) listed below:
Prior Provisional	Application(s)			
Application No.)		(Fili	ing Date)	
Application No.)			ing Date)	

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

- Crack-FF		
09/607,535	6/29/2000	Pending
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
09/093,870	6/9/1998	Patented (6,149,882)

(Filing Date)

And I hereby appoint the law firm of Ritter, Lang & Kaplan LLP, including Michael J. Ritter (Reg. No. 36,653); Dan H. Lang (Reg. No. 38,531); Cindy S. Kaplan (Reg. No. 40,043); and Peggy A. Su (Reg. No. 41,336) and also Paul Stone (Reg. No. 38,628); and Ronald A. Krasnow (Reg. 33,321) as my principal attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

(Status - patented, pending, abandoned)

Please Direct all Correspondence To:

Customer No. 26541

Ritter, Lang & Kaplan LLP 12930 Saratoga Ave., Suite D1 Saratoga, CA 95070

Direct Telephone Calls To:

Prior U.S. Application(s)

(Application No.)

Cindy S. Kaplan at (408) 446-8695

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of Sole or First Inventor:	Xiao Ping Zhou	Citizenship:	China	
Inventor's signature:		Date of Signature:		
Address: (City)	Lompoc	(State/Country)	CA/USA	
Post Office Address:	628 North 4 th . St., Apt. #4, Lompoc, CA 93	3436		
ost office radicess.	02010111			
Full Name of Second Joint Inventor (if any):	Sam Bergh	Citizenship:	USA	
Inventor's signature:		Date of Signature:		
Address: (City) _	San Francisco	(State/Country)	CA/USA	
Post Office Address:	2027 18 th Street, San Francisco, CA 94107			
COSt Office Warness.	Low 10 Direct, Dan Francisco, Off 7 1107			•

Full Name of Third Joint Inventor (if any):	Christopher E. Dube	Citizenship:	USA
Inventor's signature:		Date f Signature:	
Address: (City)	Lexington	(State/Country)	MA/USA
Post Office Address:	27 Hayward, Lexington, Massachusetts 0	2421	
Full Name of Fourth Joint Inventor (if any):	Lynn Van Erden	Citizenship:	USA
Inventor's signature:		Date of Signature:	
Address: (City)	Livermore	(State/Country)	CA/USA
Post Office Address:	528 Alden Lane, Livermore, CA 94550		

ASSIGNMENT OF PATENT APPLICA

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new an execution provements as set forth in the patent application entitled:

PARALLEL REACTOR WITH KNIFE-EDGE SEAL

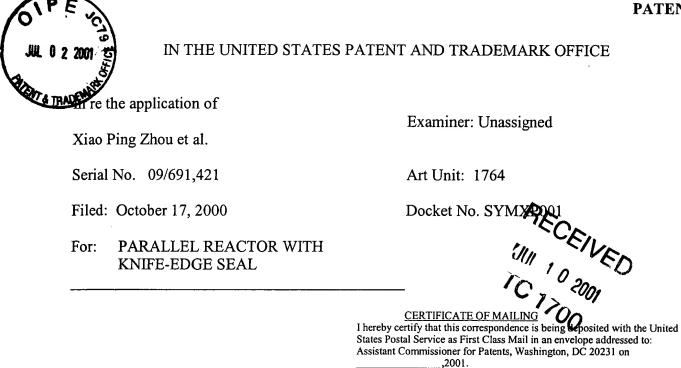
for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on October 17, 2000, and which bears the Application No. 09/691,421.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- Sell(s), assign(s) and transfer(s) to Symyx Technologies, Inc. a Delaware corporation having a place of business at 3100 Central Expressway, Santa Clara, CA 95051, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I/we have not entered, and will	
understanding that conflicts with this assignment.	RECEIVED
Signed on the date(s) indicated beside my (our) signature(s).	LIVED

1)	Signature:		Date: 10 2001
	Typed Name:	Xiao Ping Zhou	Date: 1700
2)	Signature: Typed Name:	Sam Bergh	Date:
3)	Signature: Typed Name:	Chris Dube	Date:
4)	Signature:	Lynn Van Erden	Date:



STATEMENT UNDER 37 C.F.R. §1.48(a)(1)

Signed:

Jacquie M. Vo

I, the person who is being added as an inventor by the petition being submitted herewith to correct the inventorship of the subject patent application do hereby declare that the inventorship error in failing to include my name as an inventor on this patent application occurred without any deceptive intention on my part.

Lynn Van Erden	

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

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- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

	Signed on the	date(s) indicated beside my (our) signature(s	3) / /
1)	Signature:	Lacephy War	Date: 53/9/200/
2)	Signature: Typed Name:	Sam Bergh	Date:
3)	Signature: Typed Name:	Chris Dube	Date:

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

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- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1)	Typed Name:	Xiao Ping Zhou	Date:
2)	Signature: Typed Name:	Sam Bergh	Date: 2 20 2001
3)	Signature: Typed Name:	Chris Dube E Durko	Date: $\frac{2/a/o}{}$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application	of OFE vo	Evenie	nom IInogaianod
Xiao Ping Zhou et al		Exami	ner: Unassigned
Serial No. 09/691,4	21 TRAITS TRAITE	Art Un	it: 1764
Filed: October 17, 2		Docket	No. SYMXP001
For: PARALLEL KNIFE-EDG	REACTOR WITH E SEAL		
		I hereby certify that the States Postal Service a Assistant Commission,2'	ATE OF MAILING is correspondence is being deposited with the United as First Class Mail in an envelope addressed to: ler for Patents, Washington, DC 20231 on 001. Jacquie M. Vo
ASSENT OF ASS	IGNEE TO CORREC	CTION AND/O	R ADDITION OF INVENTOR(S)
Washington, DC 202 Dear Sir:		otion of invento	RECEIVED (IIII 1 0 2001 rship filed herewith.
Assignee nere Assignee: Assignment:	Symyx Technologies, 3100 Central Express Santa Clara, CA 9505	Inc. way	iship their recewiti.
Assignment.	Recorded on	Reel	Frame
[]	Recorded herewith		
. ,	[] A separate assign	ment cover shee	et is attached.
	[] Form PTO 1595 i	s attached.	
[X]	Copy of assignment fi	iled April 17, 20	001.
A statement u	nder 37 CFR §3.73(b) i	is attached.	
Date		Signature	
		Title	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of	Examiner: Unassigned
Xiao Ping Zhou et al.	Ø)
Serial No. 09/691,421	Art Unit: 1764
Filed: October 17, 2000	Docket No. SYMXP001
For: PARALLEL REACTOR WITH KNIFE-EDGE SEAL	
	CERTIFICATE OF MAILING
	I hereby certify that this correspondence is being deposited with the Uniter States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on,2001.
	Signed: Jacquie M. Vo
STATEME	NT UNDER 37 CFR §3.73(b)
Patent Owner: Symyx Technolog	ogies, Inc. Filed: October 17, 2000 OR WITH KNIFE-EDGE SEAC 1700
Application No.: 09/691,421	Filed: October 17, 2000
Entitled: PARALLEL REACT	OR WITH KNIFE-EDGE SEARC 7 2001
states that it is:	. 700
[X] the assignee of the entire ri	
[] an assignee of less than the	entire right, title and interest.
The extent (by percentag	ge) of its ownership interest%.
in the patent application identified above	ve by the virtue of:
[X] An assignment from the in-	ventor(s) of the patent application identified above. A
copy of the assignment as filed on Apri	1 17, 2001 is enclosed.
Date	Signature
	Title